Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0108 River Farms

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.64	10/09/2018 10/09/2018	Zach Jojola

	1	D-+i **		Innun Nin			
LM Start		Rating **	Α	Issue No.		5	
LM End		Issue Type +	Ma	Location *		N/A	
Category	Earthen L	evee		GPS La	atitude	e/Longitude	
Category				Start		End	
Item		Operations & Maintenance			0		0
пеш	Manuals				0		0
DWR ID	DWR_RD0	108_01_s _ 201	3_5				
		Comn	nent Cod	de			
		Inspecto	or Comm	nent			
RD 108 has O&M manuals.							

No Photos

LM Start		Rating **	Α	Issue No.		7	
LM End		Issue Type +	Ma	Location *		N/A	
Catagori Earthen Levee			GPS La	atitud	le/Longitude		
Category				Start		End	
Item		y Supplies &			0		c
пеш	Equipmen	nt			0		c
DWR ID DWR_RD0108_01_s _ 2013_7							
		Comn	nent Cod	de			

No Photos

Inspector Comment

RD 108 maintains a stockpile of flood response materials.

LM Start		Rating **	Α	Issue No.		9	
LM End		Issue Type +	Ма	Location *		N/A	
Category	Earthen L	evee		GPS La	atituc	de/Longitude	
Calegory				Start		End	
Item	Flood Pre	paredness &	Training		0		0
item					0		0
DWR ID	DWR_RD0	108_01_s _ 201	3_9				
		Comn	nent Cod	le			
	Inspector Comment						
RD 108 has written response plans and regular flood response training.							

No Photos

* Location

LS : Land Side N/A : Not Applicable WS : Water Side

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected + Issue Type
Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0108 River Farms

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.64	10/09/2018 10/09/2018	Zach Jojola

LM Start	0.06	Rating **	М	Issue No.		29
LM End	0.06	Issue Type +	Ма	Location *		
Category	GPS Latitude/Longitude					
Calegory				Start		End
Item	DWR UCI	P LMA Respo	nsibility	38.82289	7°	38.822897 °
пеш				-121.79700	0°	-121.797000 °
DWR ID	17943					

Inspector Comment

Comment Code

FS_ID:37608 DS_ID:17943 EP_NO: 9396

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: Need to contact owner to determine status of structure. Notes indicate crossing has been abandoned. Owner will need to coordinate with CVFPB and DWR inspector to determine how to properly abandon.

FIELD_STRUCT_DESC: *ABANDONED* 1 of 5: 72-inch reinforced concrete gravity drainage pipe or culvert through the levee, 31.6 feet below the crown. Slide gate on each end. (Retention of five 72-inch pipes through the levee [HLM 0.08] authorized under Automatic Board Order (ABO) issued as Permit No. 9736, 1974 - Reclamation District No. 108 [RD0108]). [Additional Reference(s): DWR Levee Log, 1991. USACE Sacramento O&M Manual 132, October 1959, (HLM 0.08), referenced as five 6-foot by 8-foot concrete drainage culverts]. FS Date: 6/10/2014

LM Start	0.06	Rating **	М	Issue No.	29 (cont)
LM End	0.06	Issue Type +	Ma	Location *	



View of concrete structure visible on waterward side.

Photo 2 of 3: UCIP_FA_2018_37608_68210.jpg



Dense vegetation on waterward side.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0108 River Farms

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.64	10/09/2018 10/09/2018	Zach Jojola

LM Start	0.06	Rating **	М	Issue No.	29 (cont)	
LM End	0.06	Issue Type +	Ма	Location *		
Supplemental				GPS Latitude/Longitude		
Calegory	Start					End
Item	DWR UCI	P LMA Respo	nsibility	38.82289	97 °	38.822897°
пеш				-121.79700	00°	-121.797000°
DWR ID 17943						
Comment Code						

Inspector Comment

FS_ID:37608 DS_ID:17943 EP_NO: 9396

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: Need to contact owner to determine status of structure. Notes indicate crossing has been abandoned. Owner will need to coordinate with CVFPB and DWR inspector to determine how to properly abandon.

FIELD_STRUCT_DESC: *ABANDONED* 1 of 5: 72-inch reinforced concrete gravity drainage pipe or culvert through the levee, 31.6 feet below the crown. Slide gate on each end. (Retention of five 72-inch pipes through the levee [HLM 0.08] authorized under Automatic Board Order (ABO) issued as Permit No. 9736, 1974 - Reclamation District No. 108 [RD0108]). [Additional Reference(s): DWR Levee Log, 1991. USACE Sacramento O&M Manual 132, October 1959, (HLM 0.08), referenced as five 6-foot by 8-foot concrete drainage culverts]. FS Date: 6/10/2014



View of concrete structure visible on landward side.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0108 River Farms

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.64	10/09/2018 10/09/2018	Zach Jojola

LM Start	0.06	Rating **	М	Issue No.		30	
LM End	0.06	Issue Type +	Ма	Location *			
Category	Supplemental				GPS Latitude/Longitude		
Calegory				Start		End	
Item	DWR UCI	P LMA Respo	nsibility	38.82291	9°	38.822919°	
пеш				-121.79704	6°	-121.797046°	
DWR ID	22386					·	

Comment Code

Inspector Comment

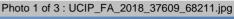
FS_ID:37609 DS_ID:22386 EP_NO: 9396

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: Need to contact owner to determine status of structure. Notes indicate crossing has been abandoned. Owner will need to coordinate with CVFPB and DWR inspector to determine how to properly abandon.

FIELD_STRUCT_DESC: *ABANDONED* 2 of 5: 72-inch reinforced concrete gravity drainage pipe or culvert through the levee, 31.6 feet below the crown. Slide gate on each end. (Retention of five 72-inch pipes through the levee [HLM 0.08] authorized under Automatic Board Order (ABO) issued as Permit No. 9736, 1974 - Reclamation District No. 108 [RD0108]). [Additional Reference(s): DWR Levee Log, 1991. USACE Sacramento O&M Manual 132, October 1959, (HLM 0.08), referenced as five 6-foot by 8-foot concrete drainage culverts]. FS Date: 6/10/2014

LM Start	0.06	Rating **	М	Issue No.	30 (cont)
LM End	0.06	Issue Type +	Ma	Location *	





Concrete structure located on waterward side.

Photo 2 of 3: UCIP_FA_2018_37609_68215.jpg



Dense vegetation covers the waterward slope.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0108 River Farms

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.64	10/09/2018 10/09/2018	Zach Jojola

LM Start	0.06	Rating **	М	Issue No.		30 (cont)	
LM End	0.06	Issue Type +	Ма	Location *			
Category				GPS Latitude/Longitude			
Calegory				Start		End	
Item	DWR UCI	P LMA Respo	nsibility	38.82291	9°	38.822919°	
пеш			-121.79704	6°	-121.797046°		
DWR ID	22386					·	

Inspector Comment

Comment Code

FS_ID:37609 DS_ID:22386 EP_NO: 9396

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: Need to contact owner to determine status of structure. Notes indicate crossing has been abandoned. Owner will need to coordinate with CVFPB and DWR inspector to determine how

to properly abandon.

FIELD_STRUCT_DESC: *ABANDONED* 2 of 5: 72-inch reinforced concrete gravity drainage pipe or culvert through the levee, 31.6 feet below the crown. Slide gate on each end. (Retention of five 72-inch pipes through the levee [HLM 0.08] authorized under Automatic Board Order (ABO) issued as Permit No. 9736, 1974 - Reclamation District No. 108 [RD0108]). [Additional Reference(s): DWR Levee Log, 1991. USACE Sacramento O&M Manual 132, October 1959, (HLM 0.08), referenced as five 6-foot by 8-foot concrete drainage culverts]. FS Date: 6/10/2014



View of concrete structure located on landward side.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0108 River Farms

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.64	10/09/2018 10/09/2018	Zach Jojola

LM Start	0.06	Rating **	М	Issue No.		31
LM End	0.06	Issue Type +	Ма	Location *		
Category				GPS Lat	ituc	le/Longitude
Calegory				Start		End
Item	DWR UCI	P LMA Respo	nsibility	38.82293	3°	38.822933 °
пеш				-121.79708	1°	-121.797081 °
DWR ID	22387					

Inspector Comment

Comment Code

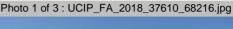
FS_ID:37610 DS_ID:22387 EP_NO: 9396

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: Need to contact owner to determine status of structure. Notes indicate crossing has been abandoned. Owner will need to coordinate with CVFPB and DWR inspector to determine how to properly abandon.

FIELD_STRUCT_DESC: *ABANDONED* 3 of 5: 72-inch reinforced concrete gravity drainage pipe or culvert through the levee, 31.6 feet below the crown. Slide gate on each end. (Retention of five 72-inch pipes through the levee [HLM 0.08] authorized under Automatic Board Order (ABO) issued as Permit No. 9736, 1974 - Reclamation District No. 108 [RD0108]). [Additional Reference(s): DWR Levee Log, 1991. USACE Sacramento O&M Manual 132, October 1959, (HLM 0.08), referenced as five 6-foot by 8-foot concrete drainage culverts]. FS Date: 6/10/2014

LM Start	0.06	Rating **	М	Issue No.	31 (cont)
LM End	0.06	Issue Type +	Ma	Location *	





Concrete structure located on waterward side.

Photo 2 of 3: UCIP_FA_2018_37610_68219.jpg



Dense vegetation covers waterward side slope.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0108 River Farms

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.64	10/09/2018 10/09/2018	Zach Jojola

LM Start	0.06	Rating **	М	Issue No.		31 (cont)
LM End	0.06	Issue Type +	Ма	Location *		
Category				GPS Lat	itud	e/Longitude
Calegory				Start		End
Item	DWR UCI	P LMA Respo	nsibility	38.82293	3°	38.822933 °
пеш			-121.79708	1 °	-121.797081 °	
DWR ID	22387					·

Comment Code

Inspector Comment

FS_ID:37610 DS_ID:22387 EP_NO: 9396

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: Need to contact owner to determine status of structure. Notes indicate crossing has been abandoned. Owner will need to coordinate with CVFPB and DWR inspector to determine how to properly abandon.

FIELD_STRUCT_DESC: *ABANDONED* 3 of 5: 72-inch reinforced concrete gravity drainage pipe or culvert through the levee, 31.6 feet below the crown. Slide gate on each end. (Retention of five 72-inch pipes through the levee [HLM 0.08] authorized under Automatic Board Order (ABO) issued as Permit No. 9736, 1974 - Reclamation District No. 108 [RD0108]). [Additional Reference(s): DWR Levee Log, 1991. USACE Sacramento O&M Manual 132, October 1959, (HLM 0.08), referenced as five 6-foot by 8-foot concrete drainage culverts]. FS Date: 6/10/2014



Concrete structure located on landward side.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0108 River Farms

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.64	10/09/2018 10/09/2018	Zach Jojola

LM Start	0.06	Rating **	М	Issue No.		32	
LM End	0.06	Issue Type +	Ма	Location *			
Category				GPS Latitude/Longitude			
Calegory				Start		End	
Item	DWR UCI	38.82289	97 °	38.822897 °			
пеш				-121.79700	00°	-121.797000 °	
DWR ID	22388						

Inspector Comment

Comment Code

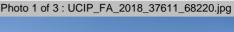
FS_ID:37611 DS_ID:22388 EP_NO: 9396

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: Need to contact owner to determine status of structure. Notes indicate crossing has been abandoned. Owner will need to coordinate with CVFPB and DWR inspector to determine how to properly abandon.

FIELD STRUCT DESC: *ABANDONED* 4 of 5: 72-inch reinforced concrete gravity drainage pipe or culvert through the levee, 31.6 feet below the crown. Slide gate on each end. (Retention of five 72-inch pipes through the levee [HLM 0.08] authorized under Automatic Board Order (ABO) issued as Permit No. 9736, 1974 - Reclamation District No. 108 [RD0108]). [Additional Reference(s): DWR Levee Log, 1991. USACE Sacramento O&M Manual 132, October 1959, (HLM 0.08), referenced as five 6-foot by 8-foot concrete drainage culverts]. FS Date: 6/10/2014

LM Start	0.06	Rating **	М	Issue No.	32 (cont)
LM End	0.06	Issue Type +	Ma	Location *	





Concrete structure located on waterward side.

Photo 2 of 3: UCIP_FA_2018_37611_68224.jpg



Waterward slope covered by dense vegetation.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0108 River Farms

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.64	10/09/2018 10/09/2018	Zach Jojola

LM Start	0.06	Rating **	М	Issue No.		32 (cont)		
LM End	0.06	Issue Type +	Ма	Location *				
Category Supplemental				GPS Latitude/Longitude				
				Start		End		
Item	DWR UCI	P LMA Respo	nsibility	38.82289	7°	38.822897°		
пеш				-121.79700	o°	-121.797000°		
DWR ID	22388							
Comment Code								

Inspector Comment

FS_ID:37611 DS_ID:22388 EP_NO: 9396

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: Need to contact owner to determine status of structure. Notes indicate crossing has been abandoned. Owner will need to coordinate with CVFPB and DWR inspector to determine how

to properly abandon.

FIELD STRUCT DESC: *ABANDONED* 4 of 5: 72-inch reinforced concrete gravity drainage pipe or culvert through the levee, 31.6 feet below the crown. Slide gate on each end. (Retention of five 72-inch pipes through the levee [HLM 0.08] authorized under Automatic Board Order (ABO) issued as Permit No. 9736, 1974 - Reclamation District No. 108 [RD0108]). [Additional Reference(s): DWR Levee Log, 1991. USACE Sacramento O&M Manual 132, October 1959, (HLM 0.08), referenced as five 6-foot by 8-foot concrete drainage culverts]. FS Date: 6/10/2014



Concrete structure visible on landward side.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0108 River Farms

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.64	10/09/2018 10/09/2018	Zach Jojola

LM Start	0.07	Rating **	М	Issue No.		33
LM End	0.07	Issue Type +	Ма	Location *		
Category	ental	GPS Latitude/Longitude				
Calegory	Calegory			Start		End
Item	DWR UCIP LMA Responsibility			38.82295	4 °	38.822954°
item			-121.79713	5°	-121.797135°	
DWR ID	22389					

Inspector Comment

Comment Code

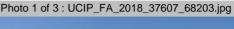
FS ID:37607 DS_ID:22389 EP_NO: 9396

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: Need to contact owner to determine status of structure. Notes indicate crossing has been abandoned. Owner will need to coordinate with CVFPB and DWR inspector to determine how to properly abandon.

FIELD STRUCT DESC: *ABANDONED* 5 of 5: 72-inch reinforced concrete gravity drainage pipe or culvert through the levee, 31.6 feet below the crown. Slide gate on each end. (Retention of five 72-inch pipes through the levee [HLM 0.08] authorized under Automatic Board Order (ABO) issued as Permit No. 9736, 1974 - Reclamation District No. 108 [RD0108]). [Additional Reference(s): DWR Levee Log, 1991. USACE Sacramento O&M Manual 132, October 1959, (HLM 0.08), referenced as five 6-foot by 8-foot concrete drainage culverts]. FS Date: 6/10/2014

LM Start	0.07	Rating **	М	Issue No.	33 (cont)
LM End	0.07	Issue Type +	Ma	Location *	





Concrete structure located on waterward side.

Photo 2 of 3: UCIP_FA_2018_37607_68206.jpg



Waterward slope covered by dense vegetation.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0108 River Farms

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.64	10/09/2018 10/09/2018	Zach Jojola

LM Start	0.07	Rating **	М	Issue No.		33 (cont)	
LM End	0.07	Issue Type +	Ма	Location *			
Supplemental			GPS Latitude/Longitude				
Calegory	Category			Start		End	
Item	DWR UCIP LMA Responsibility			38.82295	4 °	38.822954 °	
пеш				-121.79713	5°	-121.797135°	
DWR ID	22389					·	

Inspector Comment

Comment Code

FS_ID:37607 DS_ID:22389 EP_NO: 9396

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: Need to contact owner to determine status of structure. Notes indicate crossing has been abandoned. Owner will need to coordinate with CVFPB and DWR inspector to determine how to properly abandon.

FIELD_STRUCT_DESC: *ABANDONED* 5 of 5: 72-inch reinforced concrete gravity drainage pipe or culvert through the levee, 31.6 feet below the crown. Slide gate on each end. (Retention of five 72-inch pipes through the levee [HLM 0.08] authorized under Automatic Board Order (ABO) issued as Permit No. 9736, 1974 - Reclamation District No. 108 [RD0108]). [Additional Reference(s): DWR Levee Log, 1991. USACE Sacramento O&M Manual 132, October 1959, (HLM 0.08), referenced as five 6-foot by 8-foot concrete drainage culverts]. FS Date: 6/10/2014



Concrete structure located on landward side.

LM Start	10.77	Rating **	С	Issue No.		21		
LM End	10.77	Issue Type +	Ma	Location *		LS		
Category	Earthen L	evee		GPS La	atitud	le/Longitude		
Odlogory				Start		End		
Item	Erosion / Bank Caving			38.918902°		38.918902°		
item				-121.914589°		-121.914589°		
DWR ID	DWR_RD0	108_01_s _ 201	8_21					
		Comn	nent Coc	de				
E2 : Sched	dule repair	of erosion site	e prior to	the next in	spe	ction.		
Inspector Comment								
Minor eros	Minor erosion on landside slope.							

No Photos

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0108 River Farms

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.64	10/09/2018 10/09/2018	Zach Jojola

LM Start	14.42	Rating **	С	Issue No.		28	
LM End	14.42	Issue Type +	Ma	Location *		LS	
Category	GPS Latitude/Longitude						
Calegory				Start		End	
Item	Animal Control				47°	38.966547	0
пеш				-121.9223	60°	-121.922360	0
DWR ID DWR_RD0108_01_f _ 2017_28							

Comment Code

A3: No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

Small rodent holes on landside slope. Recommend monitoring for future activity.

No Photos

Rating ** A/W Issue No. 19.27 LM Start 13 19.35 Issue Type + Location * WS LM End Ma Supplemental GPS Latitude/Longitude Category Start Fnd 2017 USACE Erosion Survey, 39.016727° 39.017516° Item DRAFT -121.985411 -121.986374° DWR_RD0108_01_f _ 2018_13 DWR ID Comment Code

Inspector Comment

2017 Site ID: CBD 19.2 L

Status: Eroding

2017 Field Notes: Access Issues - Could not observe

Site History: 2011 - Toe scour at the bottom of a steep bank, large sections of the toe are sliding down. Erosion may be due to the

upstream bend.

DWR Inspector Notes: Doesn't appear to be an issue at this time. Recommend monitoring.

No Photos

N : Not Inspected/Rated C : Corrected

+ Issue Type Ma : Maintenance Deficiancy Ob : Design & System Obsolescence

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0108 River Farms

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Castle Properties	Right	0.28	10/12/2018 10/12/2018	Zach Jojola

		D (' ++		L M.				
LM Start	0.06	Rating **	С	Issue No.		1		
LM End	0.06	Issue Type +	Ma	Location *		WS		
Category	Earthen L	evee		GPS La	atitud	e/Longitude		
Category						End		
Item	Encroachments			38.7967	56°	38.796756 °		
item					99°	-121.727099 °		
DWR ID DWR_RD0108_02_s _ 2018_1								
		Comn	nent Cod	de				
TR : Tree	or limb							
	Inspector Comment							
Fallen tree branch on wanterside slope.								

No Photos

LM Start	0.15	Rating **	Α	Issue No.		2	
LM End	0.15	Issue Type +	Ma	Location *		LS	
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Category			Start		End		
ltem Vegetation			38.797784°		° 38.797784		
				-121.7260	39°	-121.726039°	
DWR ID DWR_RD0108_02_f _ 2018_2							
Comment Code							
1/1 . Contr	م امیرسما م	****************************	da aa th	مام ممامه		a a d	

V1 : Control annual grass and weeds on the levee slopes and easements.

Inspector Comment

The LMA maintains the vegetation at a high level.

Photo 1 of 1 : FA_2018_RD0108_590_2_20181012_00002.jpg



View of the maintained landside slope. Fall 2018.